

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/08039

## A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl<sup>7</sup> A61K45/00, 31/437, 31/445, A61P9/00, 9/06, 9/10, 9/12, 9/14, 13/12, 25/06, 43/00, C07D471/04

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl<sup>7</sup> A61K45/00, 31/437, 31/445, A61P9/00, 9/06, 9/10, 9/12, 9/14, 13/12, 25/06, 43/00, C07D471/04

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

MEDLINE (STN), CAPLUS (STN), EMBASE (STN), BIOSIS (STN), REGISTRY (STN)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 01/69252 A1 (THE GENERAL HOSPITAL CORP.), 20 September, 2001 (20.09.01), Full text	1-5, 8, 9
Y	& JP 2001-261575 A & US 2001/0041688 A1	6, 7
Y	WO 01/98301 A1 (Japan Tobacco Inc.), 27 December, 2001 (27.12.01), Full text	1-9
	& AU 200164313 A	
A	OKAZAKI, H., 'Molecular cloning of a novel putative G protein-coupled receptor expressed in the cardiovascular system.', Biochem.Biophys. Res.Commun., 15 February, 1993 (15.02.93), Vol.190, No.3, p.1104-9	1-9

Further documents are listed in the continuation of Box C.  See patent family annex.

\* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search 25 September, 2003 (25.09.03)	Date of mailing of the international search report 14 October, 2003 (14.10.03)
Name and mailing address of the ISA/ Japanese Patent Office	Authorized officer
Facsimile No.	Telephone No.

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## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 3542793 A (Ciba Corp.), 24 November, 1970 (24.11.70), Full text & FR 1509257 A	6, 7
A	US 4612318 A (LEPETIT SPA), 16 September, 1986 (16.09.86), Full text & EP 0104522 A2 & JP 59-089679 A	6, 7
P, A	OHMORI, T., 'Sphingosine 1-phosphate induces contraction of coronary artery smooth muscle cells via S1P <sub>2</sub> ', Cardiovasc.Res., 01 April, 2003 (01.04.03), Vol.58, No.1, p.170-7	1-9
E, X	WO 03/051876 A1 (Japan Tobacco Inc.), 26 June, 2003 (26.06.03), Full text (Family: none)	1-9
A	WO 01/03739 A1 (Ono Pharmaceutical Co., Ltd.), 18 January, 2001 (18.01.01), Full text & EP 1195165 A1	1-9

## PATENT COOPERATION TREATY

From the INTERNATIONAL BUREAU

PCT

NOTIFICATION CONCERNING  
SUBMISSION OR TRANSMITTAL  
OF PRIORITY DOCUMENT

(PCT Administrative Instructions, Section 411)

Date of mailing (day/month/year)

28 August 2003 (28.08.03)

To:

OHIE, Kunihisa  
Ohie Patent Office  
Horiguchi No.2 Bldg. 7F  
2-6, Nihonbashi-Ningyocho  
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Applicant's or agent's file reference

ONF-4571PCT

## IMPORTANT NOTIFICATION

International application No.

PCT/JP03/08039

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25 June 2003 (25.06.03)

International publication date (day/month/year)

Not yet published

Priority date (day/month/year)

26 June 2002 (26.06.02)

Applicant

ONO PHARMACEUTICAL CO., LTD. et al

1. The applicant is hereby notified of the date of receipt (except where the letters "NR" appear in the right-hand column) by the International Bureau of the priority document(s) relating to the earlier application(s) indicated below. Unless otherwise indicated by an asterisk appearing next to a date of receipt, or by the letters "NR", in the right-hand column, the priority document concerned was submitted or transmitted to the International Bureau in compliance with Rule 17.1(a) or (b).
2. This updates and replaces any previously issued notification concerning submission or transmittal of priority documents.
3. An asterisk(\*) appearing next to a date of receipt, in the right-hand column, denotes a priority document submitted or transmitted to the International Bureau but not in compliance with Rule 17.1(a) or (b). In such a case, the attention of the applicant is directed to Rule 17.1(c) which provides that no designated Office may disregard the priority claim concerned before giving the applicant an opportunity, upon entry into the national phase, to furnish the priority document within a time limit which is reasonable under the circumstances.
4. The letters "NR" appearing in the right-hand column denote a priority document which was not received by the International Bureau or which the applicant did not request the receiving Office to prepare and transmit to the International Bureau, as provided by Rule 17.1(a) or (b), respectively. In such a case, the attention of the applicant is directed to Rule 17.1(c) which provides that no designated Office may disregard the priority claim concerned before giving the applicant an opportunity, upon entry into the national phase, to furnish the priority document within a time limit which is reasonable under the circumstances.

<u>Priority date</u>	<u>Priority application No.</u>	<u>Country or regional Office or PCT receiving Office</u>	<u>Date of receipt of priority document</u>
26 June 2002 (26.06.02)	2002-185546	JP	18 July 2003 (18.07.03)

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